

PTO/SB/08A (08-03)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT***(use as many sheets as necessary)*

Sheet 1 of 6

**Complete if Known**

APPLICATION NUMBER	10/687,562
FILING DATE	10/16/2003
FIRST NAMED INVENTOR	Cherala et al.
Group Art Unit	1763
Examiner Name	Unassigned
Attorney Docket Number	PA61-03-03

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
AKO	C1	4,731,155		Napoli et al.	3/15/1988	
	C2	6,391,217	B2	Schaffer et al.	5/21/2002	
	C3	6,517,977	B2	Resnick et al.	2/11/2003	
	C4	6,696,220	B2	Bailey et al.	2/24/2004	
	C5	2002/0177319	A1	Chou	11/28/2002	
	C6	4,119,688		Hiraoka	10/10/1978	
	C7	6,646,662	B1	Nebashi et al.	11/11/2003	
	C8	6,776,094	B1	Whitesides et al.	8/17/2004	
	C9	5,670,415		Rust	9/23/1997	
	C10	5,855,686		Rust	1/5/1999	
	C11	6,518,189	B1	Chou	2/11/2003	
	C12	2002/0132482	A1	Chou	9/19/2002	
	C13	2002/0167117	A1	Chou	11/14/2002	
	C14	6,482,742	B1	Chou	11/19/2002	
	C15	2003/0080471	A1	Chou	5/1/2003	
	C16	2004/0036201	A1	Chou et al.	2/26/2004	
	C17	2004/0192041	A1	Jeong et al.	9/30/2004	
AKO	C18	6,828,244	B2	Chou	12/7/2004	

Examiner Signature

Date Considered

12-30-05

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See	C19	6,809,356	B2	Chou	10/26/2004	
	C20	2004/0197843	A1	Chou et al.	10/7/2004	
	C21	2004/0156108	A1	Chou et al.	8/12/2004	
	C22	2004/0137734	A1	Chou et al.	7/15/2004	
	C23	2004/0131718	A1	Chou et al.	7/8/2004	
	C24	2004/0118809	A1	Chou et al.	6/24/2004	
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	C27	2003/0034329	A1	Chou	2/20/2003	
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	C29	2004/0200411	A1	Willson et al.	10/14/2004	
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	C31	10/923,629		Sreenivasan et al.	8/20/2004	
	C32	4,512,848		Deckman et al.	4/23/1985	
	C33	6,517,995	B1	Jacobson et al.	2/11/2003	
	C34	2004/0110856	A1	Young et al.	6/10/2004	
	C35	5,028,366		Harakal et al.	7/2/1991	
See	C36	5,601,641		Stephens	2/11/1997	

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FOREIGN PATENT DOCUMENTS								
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		Office	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

<i>See</i>	C39	WO	2004/016406		Sreenivasan	2/26/2004		
	C40	WO	00/21689		Chou et al.	4/20/2000		
	C41	JP	02-92603		Kurikawa et al.	4/3/1990		
	C42	JP	02-24848		Kamio	1/26/1990		
	C43	WO	01/47003		Steiner et al.	6/28/2001		
	C44	WO	02/07199		Chou	1/24/2002		
	C45	WO	2004/114016		Chou et al.	12/29/2004		
	C46	WO	99/05724		Chou et al.	2/4/1999		
	C47	WO	03/010289		Chou et al.	2/6/2003		
	C48	WO	03/079416		Chou	9/25/2003		
	C49	WO	03/099536		Chou et al.	12/4/2003		
<i>See</i>	C50	WO	2004/013693		Watts et al.	2/12/2004		

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

	C51	Chou, Nanoimprint Lithography and Lithographically Induced Self-Assembly, MRS Bulletin, pp. 512 - 517, 7/1/2001	
	C52	Choi et al., Design of Orientation Stages for Step and Flash Imprint Lithography, Precision Engineering, pp. 192 - 199, 1/1/2001	
	C53	Colburn et al., Step and Flash Imprint Lithography for sub-100 nm Patterning, Proceedings of SPIE Vol. 3997, pp. 453 - 457, 1/1/2000	
	C54	Chou et al., Imprint Lithography with Sub-10 nm Feature Size and High Throughput, Microelectronic Engineering 35, pp. 237 - 240, 1/1/1997	
	C55	Haisma et al., Mold-assisted Nanolithography: A Process for Reliable Pattern Replication, J. Vac. Sci. Technol. B, pp 4124 - 4128, 11/1/1996	
	C56	Johnson et al., Advances in Step and Flash Imprint Lithography, SPIE Microlithography Conference, 2/23/2003	
	C57	Colburn et al., Step and Flash Imprint Lithography: A New Approach to High-Resolution Patterning, Proc. Of SPIE, vol. 3676, 3/1/1999	
	C58	Heidari, Nanoimprint Lithography at the 6 in. Wafer Scale, J. Vac. Sci. Technol. B 18(6), pp. 3557 - 3560, 11/1/2000	
	C59	Translation of Japanese Patent 02-92603	

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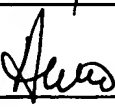
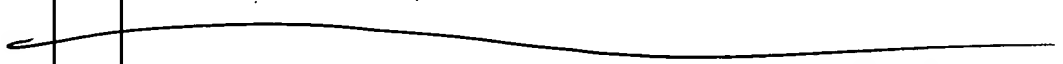
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	C60	Translation of Japanese Patent 02-24848	
	C61	Chou et al., Ultrafast and Direct Imprint of Nanostructures in Silicon, Nature, Col. 417, (June 2002), pp. 835-837, 6/1/2002	
	C62	Chou et al., Nanoimprint Lithography, Journal of Vacuum Science Technolgy B 14(16), pp. 4129-4133, 11/1/1996	
	C63	Colburn et al., Development and Advantages of Step-and-Flash Lithography, Solid State Technology, 7/1/2001	
	C64	Colburn et al., Characterization and Modeling of Volumetric and Mechanical Properties for Step and Flash Imprint Lithography Photopolymers, Journal of Vacuum Science Technology. Vol b. 19(6), 11/1/2001	
	C65	Bailey et al., Step and Flash Imprint Lithography: Defect Analysis, Journal of Vacuum Science, B 19(6), pp. 2806-2810, 11/1/2001	
	C66	Bailey et al., Step and Flash Imprint Lithography: Template Surface Treatment and Defect Analysis, Journal of Vacuum Science, B 18(6), pp. 3572-3577, 11/1/2000	
	C67	Schneider et al., Stripes of Partially Fluorinated Alkyl Chains: Dipolar Langmuir Monolayers	
			

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